

2020 *SPRING ONLY* FREERIDE™ 154 / 165

PACKAGE HIGHLIGHTS

- E-TEC® SHOT™ starter
- Rotax® 850 E-TEC® engine
- REV® Gen4 platform with narrow-design bodywork
- pDrive™ clutch with clickers
- RAS™ 3 front suspension with lightweight ski spindle and revised ski stopper
- Ergo-Step side panels
- 406 x 3912 / 4178 x 76 mm (16 x 154 / 165 x 3.0 in.) PowderMax¹ Light with FlexEdge™ track
- KYB¹ Pro 36 R front shocks and KYB¹ Pro 40 rear shocks aluminum piggyback with Easy-Adjust compression adjuster (22 clicks)
- Brembo racing brake with braided stainless-steel brake line
- Lightweight deep snow seat
- RER™ electronic reverse
- Compact digital gauge
- tMotion™ rear suspension with reinforced rails and ice scratchers
- Sway bar quick-disconnect
- Warm glove box with 4 L of storage
- Full-length extruded profile running boards with large openings
- Sea-level calibration available on all configurations
- Transparent handguards



FREERIDE™ 154 850 E-TEC® shown

ROTAX® ENGINE

850 E-TEC®

Engine details	Liquid-cooled, two-stroke, eRAVE™
Cylinders	2
Displacement	849 cc
Bore	82 mm
Stroke	80.4 mm
Maximum engine speed	7,900 RPM
Carburation	E-TEC® direct injection with additional booster injectors
Recommended fuel type	Unleaded
Minimum octane	95
Fuel tank	36 L
Oil tank capacity	3.4 L

POWERTRAIN

Drive clutch type	pDrive™ with clickers
Driven clutch type	QRS
Engagement	Sea-Level: 3,300 RPM
Small sprocket number of teeth	21
Large sprocket number of teeth	51 (154 in.) 53 (165 in.)
Drive sprocket number of teeth	6
Drive sprocket diameter	164 mm
Brake system	Brembo racing brake with stainless-steel braided brake line

FEATURES

Frame	REV® Gen4
Bodywork	Narrow design
Skis	Pilot™ DS 3
Seating	Deep snow
Handlebar	U-shaped aluminum with J-hooks / Grab handle and transparent handguards

Riser block height	165 mm
Starter	SHOT
Reverse	RER™
Heated throttle lever/ grips	Standard
Gauge	Compact

Mirrors	Optional
Windshield	Optional
Runner	Square 3/8
Carbide configuration	102 mm at 90°
Hitch	Optional

COLOR

Intense Blue 

DIMENSIONS

Vehicle overall length	3,312 mm (154 in.) 3,445 mm (165 in.)
Vehicle overall width	1,080 to 1,110 mm
Vehicle overall height	1,368 mm
Ski stance	910 or 950 mm
Ski overall length	1,058 mm
Track nominal width	406 mm
Track nominal length	3,912 mm / 154 in. 4,178 mm / 165 in.
Track profile height	76.2 mm PowderMax ¹ Light with FlexEdge™

SUSPENSION

Front suspension	RAS™ 3
Front shock	KYB ¹ Pro 36 R Easy-Adjust
Front suspension max. travel	215 mm
Rear suspension	tMotion™
Center shock	KYB ¹ Pro 40 Easy-Adjust
Rear shock	KYB ¹ Pro 40 Easy-Adjust
Rear suspension max. travel	239 mm



FREERIDE™ 165 850 E-TEC® shown



FREERIDE™ 154 850 E-TEC® shown

FEATURE HIGHLIGHTS



E-TEC® SHOT™ starter

Push-button starting with almost no added weight. Uses energy stored in the lightweight ultracapacitor to turn the magneto and with E-TEC® technology, starts the engine.



Rotax® 850 E-TEC® engine

Next generation of the most advanced direct-injection two-stroke engine technology. Designed for reliability and durability with proven 4-stroke and long-lasting automotive technologies.



KYB® Pro 36 R Easy-Adjust front shocks

Extreme capability, extreme durability shocks with compression and rebound calibration ranges for optimized control in the toughest conditions. Easy Adjust knobs for compression and rebound adjustments.



Improved profile running boards

Front to back extruded grid-style board allowing snow to pass easily through, preventing washout and trenching, plus clears footrests for grip. Flatter foot position for comfort and control.



tMotion™ rear suspension

A swiveling rear arm and split front arm allow the skid to flex laterally for more predictable carving. More rising-rate motion ratio adds capacity and comfort.

GAUGE FEATURES

Speedometer	Standard
Tachometer	Standard
Fuel	Standard
Engine temperature	Standard